

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mohamed Y. Soliman, et al ) Art Unit: Unknown  
Serial No.: Unknown )  
Filed: Concurrently Herewith ) Examiner: Unknown  
For: Methods for Geomechanical )  
Fracture Modeling )

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS  
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

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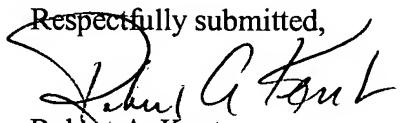
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Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,  
  
Robert A. Kent  
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<b>PTO-1449</b> <b>Information Disclosure Citation in an Application</b>			Application No. <b>Unassigned</b>	Applicant(s) <b>SOLIMAN ET AL.</b>			
			Docket Number <b>2003-IP-011150</b>	Group Art Unit	Filing Date		
<b>U.S. PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
<b>NON-PATENT DOCUMENTS</b>							
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10		Abass, H. H., Hedayati, Saeed, and Meadows, D. L. L.: "Non-Planar Fracture propagation From a Horizontal Wellbore: Experimental Study," SPE 24823, presented the Annual Technical Meeting of SPE held in Washington DC, October 4-7, 1992, pp 1-5.					1992
11		Veeken, C. A. M., Davies, D. R., and Walters, J. V.: "Limited Communication between Hydraulic Fracture and (Deviated) Wellbore," SPE 18982, presented at the 1989 SPE Low Permeability Reservoir Symposium, Denver CO, March 6-8, 1989, pp 1-12.					1989
12		Yew, C. H. and Li, Y.: "Fracturing of a Deviated Well," SPE 16930, SPE Production Engineering, Nov. 1988, pp. 509-518.					1988
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	17	Viola, E., and Piva, A.: "Crack Path in Sheets of Brittle Material," Engineering Fracture Mechanics, Vol. 19, No. 6, 1984, pp 1069-84.					1984
	18	Deimbacher, F. X., and Economides, M. J., and Jensen, O. K.: "Generalized Performance of Hydraulic Fractures With Complex Geometry Intersecting Horizontal Wells," SPE 25505, SPE, Richardson Texas, pp 1-12.					1993
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23		Love T.G., McCarty, R.A., Surjaatmadja, J.B., Chambers, R.W. and Grundmann, S.R.: "Selectively Placing Many Fractures in Openhole Horizontal Wells Improves Production," SPE 50422, pp 1-8.					1998
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